

# **PHENIX WEEKLY PLANNING**

10/18/2007

Don Lynch

# Run 8 Prep Schedule

Item	Start	Finish
MPC South Installation	Done	Done
Elec. Cooling Water upgrade (CA)		
(under EC)	In progress	?
(elsewhere in IR)	In progress	11/2
CM Move to Run position	Done	Done
MPC South Installation	Done	Done
Borated PE neutron shield installation	Done	Done
More decapacitor removals	Done	Done
Close out all shutdown '07 open work permits	10/18	11/1



10/18/2007

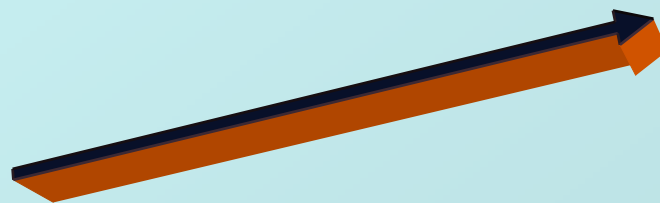
Weekly Planning Meeting

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# Run 8 Prep Schedule (cont'd)

Item	Start	Finish
EC Roll In	10/15	10/31
C-A fold scaffolding	10/15	10/15
Move MuID collars to IR	10/12	10/15
Remove Plates, cart & move Manlift	10/12	10/15
Roll in-to IR and North to run pos.	10/15	10/16
PHENIX techs reconnect water, elect., gas, fibers	10/16	10/19
Carpenters restore scaffolding, Re-install lift & ladder, re-connect gas sniffers	10/17	10/19
Mike Rau re-install lift wiring, Re-connect TOF blower	10/16	10/19
Blue Sheet/Pink sheets	10/22	11/2



10/18/2007

Weekly Planning Meeting

# Run 8 Prep Schedule (cont'd)

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Item	Start	Finish
DC East & West repairs (permits done)	10/11	10/26
Pre-run Commissioning	10/1	10/31
Assemble shield wall	10/22	11/1
Shield wall roll in	11/1	11/5
Start of Run 8 (Cooldown)	11/1	11/1
HBD Pre survey at SB	A-1 wk	A-1 day
HBD West Mechanical/Gas Reinstall	12/3?	12/17?
HBD EAST Mechanical/Gas Reinstall	???	???
HBD Electrical Reinstall	???	???
HBD installation survey	10/1?	12/22?

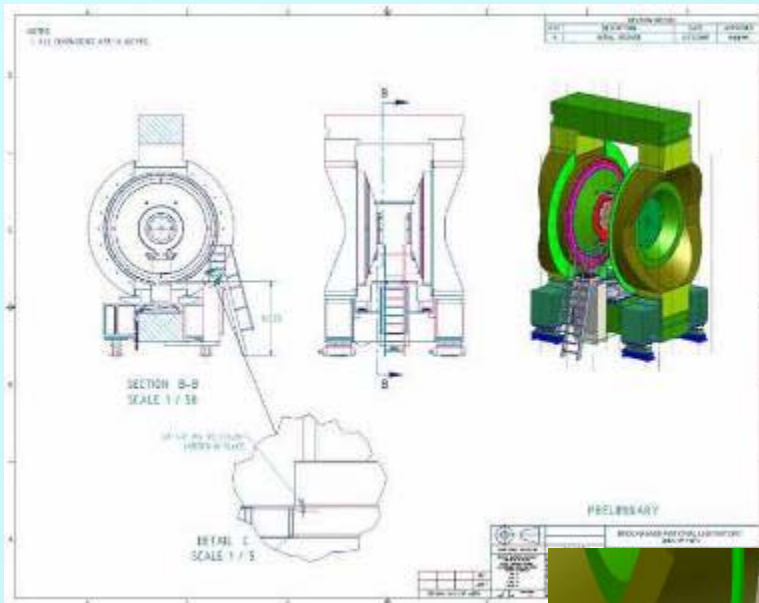


# Safety Systems/ UPS

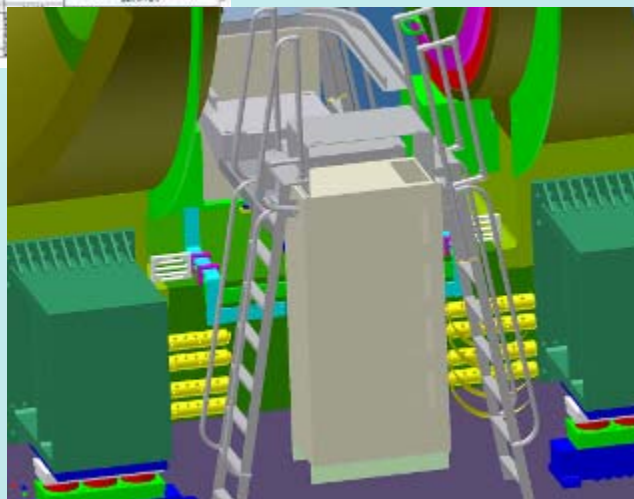
- Blue Sheeting/Pink sheeting
- UPS update
- HSSD system status
- Other Issues

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# CM Ladder/Stair Shutdown Access



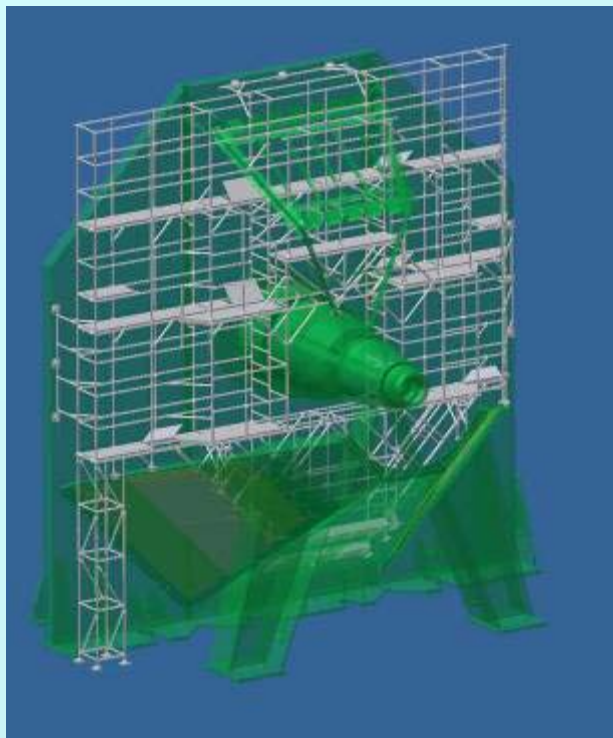
- PO pinned  
Waiting for  
delivery
- Purchasing  
SNAFU causes  
delay
- Delivery ~10/15



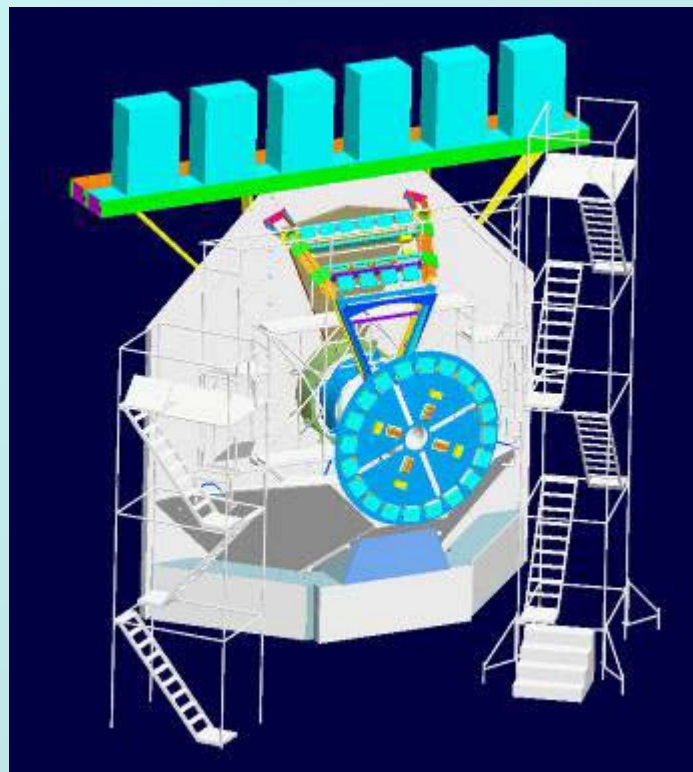


# Station 1 , 2, 3 access plan

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Work to begin on these items after prep for run 8 is finished



# RPC Factory Issues

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Electrical - nearly done. Walkthru needed

Safety- to be ready by Nov. 9

Gas - procedure needs to be formatted/  
Approved end of next week?



What we can do now:

Install and move in furniture, equipment, gas piping and leak tests, and test equipment operations



What we can't do now:

Operate gas system (other than N2 leak tests), store, assemble and/or test detector modules and/or other components.



# RPC Factory Issues, cont.

Equipment - PHENIX techs (John and Kenny) will assist in assembling shelving already at tent and complete the cosmic ray test stand per RPC group directions. RPC group will determine where to locate shelving. Ali will arrange for riggers to move excess equipment from tent area as requested. Carter will coordinate this. RPC group will provide specs for the gap transportation cart (vertical high and low lifting requirements, horizontal/ vertical orientation, table top dimensions, max load capabilities, etc.) PHENIX will design and fabricate. RPC group will provide specifications for gap and module storage racks. PHENIX will design, fabricate and install.

Work plan - existing work plan covers work to be done between now and factory start up (Factory startup is when production testing and assembly of modules and half octants begins) Work allowed now includes set up of gas system including all components and N2 testing for leaks (use of gases other than N2 requires approved gas operation procedure and full working safety system- see above). Electrical setup testing of prototypes, instrumentation and related equipment in preparation for factory operation may commence as soon as a final walkthru by C-A experimental safety group is completed and any action items generated by walkthru are addressed to the satisfaction of the experimental safety group.

# RPC Factory Issues, cont.

Security - The man door needs a lock. PHENIX techs cannot do this by lab policy and lab locksmith is backed up too much to rely on. RPC non-BNL techs will get a dead bolt lock which operates by key from outside but by hand from inside. All zipper doors are to be closed when not in use and zip tied down from inside. Locking tool and equipment cabinets inside tent. Additional security required when raw materials arrive. RPC group to review C-A policy (3 tier requirement as required by C-A procedure 1.20) RPC group will prepare a one page description of how they intend to comply with this requirement. This will be reviewed by C-A.

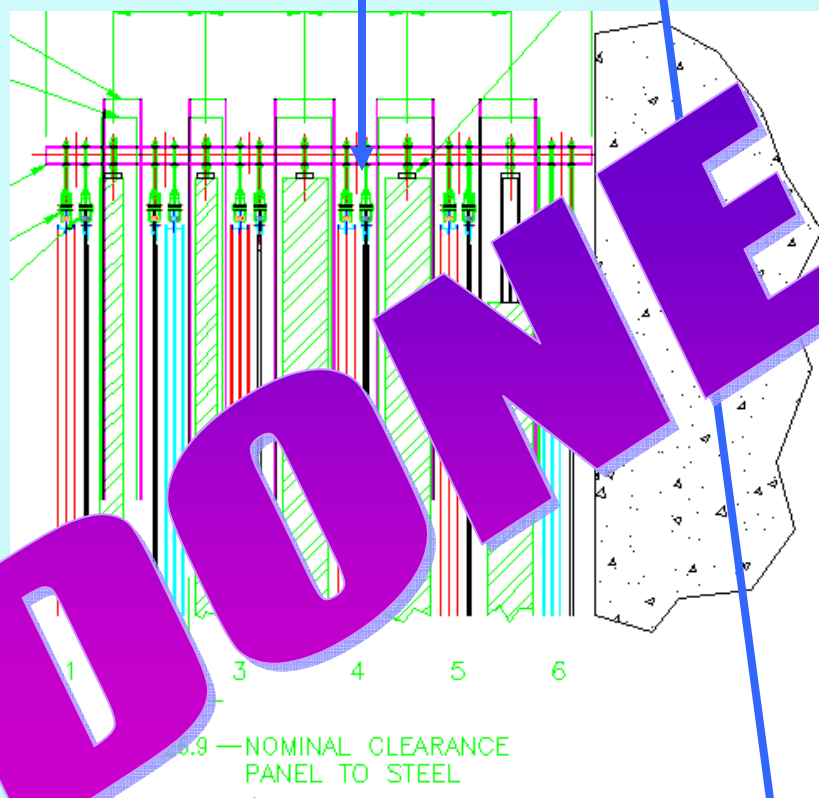
Tent air quality/ air exchange: Ali will coordinate with C-A industrial hygiene representative to determine if additional provisions are needed for tent air turn over per applicable code.

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# RPC Factory Issues, cont.

## Action Items from C-A safety review:

- Tent needs man door - Done
- Electrical one line drawing of tent electrical services needed - Done
- Gas monitoring equipment to be calibrated and tested per BNL requirements - Equipment is manufacturer calibrated. Will be tested with mini blue sheets check out.
- Gas exhaust vent lines to be exhausted from building - Done
- Gas schematic/ procedure needed - Done
- Gas lines per applicable codes - Done
- Gas cylinders to be secured and have proper flow restrictors - Done racks and regulators
- Fire protection to be designed in consult with J. Levesque - Done
- Max flow rates incl. chambers in storage for all gases to be forwarded to M. van Essendelft - still needs to be done before factory startup
- Electronics to be approved installation and use (including NTRL equivalence approval) - Done, walkthru needed.
- Any chemicals to be purchased through BNL to assure compliance - Will be complied with
- Adequate ventillation to be designed into tent - (see above)
- Crane lifting to be performed by site specific properly trained personnel - Covered in factory work plan
- Approved security apparatus to protect against theft - see above
- Covered gas pad for storage of spare bottles outside of 912 - Will store bottles at PHENIX gas pad and use N2 buggy outside of 912



Shield to be fly cut to 1.25" thick, drilled and Tapped for 3/8-

- Empty (except clean metal waste) and discard old container



- Neutron shielding test (4' x 4' x 2" borated polyethylene)

Shield support design in progress  
Install in October for Run 8 tests

Work Control Coordinators should attend one of the classes given by BNL on the revised Work Planning SBMS Oct 19, 29 & 30 Bldg 555 Hamilton Seminar room.

PHENIX floors (counting house, trailer offices, mixing house) to be cleaned this weekend. Please get everything off the floors before you leave Friday.

Check your training. Anything that expires in 2007 should be attended to.

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| 2007 | HBD Repairs, DC (minor) repairs), MPC N&S upgrade, MuTr FEE upgrade prototype, infrastructure upgrades & repairs, misc. subsystem work   |
| 2008 | MuTr FEE upgrades 1 octant 1&2 S, Cu absorber test, RPC3 S, infrastructure upgrades & repairs, misc. subsystem work  |
| 2009 | Scaffolding in MMS and MMN, MuTr FEE N&S stn. 2 & 3, MuTr N&S stn. 2 & 3 repairs, RPC2 S&N, RPC3 N, Cu absorbers, infrastructure upgrades & repairs, misc. subsystem work        |
| 2010 | Remove HBD & RXNP, remove beampipe, DC West upgrade, VTX barrel, RPC1 N&S, MuTr FEE stn. 1 N&S, MuTr stn. 1 N&S repairs, infrastructure upgrades & repairs, misc. subsystem work |
| 2011 | NCC S, FVTX, infrastructure upgrades & repairs, misc. subsystem work   |
| 2012 | NCC N, upgrades contingency & wishlist, infrastructure upgrades & repairs, misc. subsystem work  |

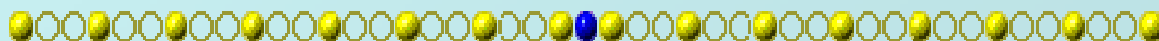
*\* Years refer to the shutdown year and follow the run with the similar number (i.e. work in 2007 is to be done in the shutdown that follows run 7, and so on)*

# Where To Find PHENIX Technical Info



We're on track to run 8

Links for the weekly planning meeting slides, long term planning, pictures, videos and other technical info can be found on the web site:



[http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL\\_SSint-page.htm](http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm)